

Inspection Report with SI&A Data

Structure Description: 244.09 Foot - 3 Span Steel continuous Frame (except frame culverts)

2 District: 08 **3 County:** Pulaski **16 Latitude:** 36°55'04.00" **7 Longitude:** 84°33'42.00"

7 Facility Carried: CAVE SPGS RD

Milepoint: 0.130

6A Feature Intersected: NS (CNO&TP) SYSTEM

9 Location: 0.1 MILE WEST OF KY 751

NBI	X
Element	X
Fracture Critical	
Underwater	
Special	

NBI CONDITION RATINGS			
58 Deck:	6	61 Channel:	N
59 Superstructure:	6	62 Culvert:	N
60 Substructure:	6	Sufficiency Rating:	67.5

GEOMETRIC DATA		
48 Max Length Span:		100.066 ft
49 Structure Length:		244.094 ft
32 Approach Roadway:		16.076 ft
33 Median:		(0) No Median
34 Skew:		0°
35 Flare:		No Flare
50A Curb/Sidewalk Width L:		0.000 ft
50B Curb/Sidewalk Width R:		0.000 ft
47 Horiz. Clearance:		21.982 ft
51 Width Curb to Curb:		21.982 ft
52 Width Out to Out:		23.950 ft

DESIGN	
Substandard:	No
Fracture Critical:	No FC Details
43A Main Span Material:	(4) Steel Continuous
43B Main Span Design:	(07) Frame
45 Number of Spans Main:	3
44A Approach Span Material:	Not Applicable
44B Approach Span Design:	Not Applicable
46 Number of Approach Spans:	0
107 Deck Type:	(1) Concrete-Cast-in-Place
108A Wearing Surface:	(1) Monolithic Concrete
108B Membrane:	(0) None
108C Deck Protection:	(0) None
Overlay Y/N:	No
Overlay Type:	None
Overlay Thickness:	-1.000 in
Overlay Date:	

ADMINISTRATIVE		
27 Year Built:		1962
106 Year Reconstructed:		0
42A Type of Service On:		(1) Highway
42B Type of Service Under:		(2) Railroad
37 Historical Significance:		(5) Not Eligible
21 Maintenance Responsibility:		(02) County Hwy Agency
22 Owner:		(02) County Hwy Agency
101 Parallel Structure:		(N) No II Structure Exists

APPRAISAL	
36A Bridge Railings:	(0) Substandard
36B Transitions:	(0) Substandard
36C Approach Guardrail:	(0) Substandard
36D Approach Guardrail Ends:	(0) Substandard
71 Waterway Adequacy:	(N) Not Applicable
72 Approach Alignment:	(8) Equal Desirable Crit
113 Scour Critical:	(N) Not over Waterway
Recommended Scour Critical:	(9) On Dry Land

CLEARANCES		
10 Vert. Clearance:		99.999 ft
53 Min. Vert. Clearance Over:		99.999 ft
54A Vert. Under Reference:		(R) Railroad beneath struct.
54B Min. Vert. Underclearance:		0.000 ft
55A Lateral Under Reference:		(R) Railroad beneath struct.
55B Min. Lat. Underclearance R:		34.777 ft
56 Min. Lat. Underclearance L:		0.000 ft

LOAD RATINGS	
63 Operating Type:	(1) Load Factor (LF)
64 Operating Rating:	22.0 tons
65 Inventory Type:	(1) Load Factor (LF)
66 Inventory Rating:	15.0 tons
Truck Capacity Type I:	tons
Truck Capacity Type II:	tons
Truck Capacity Type III:	tons
Truck Capacity Type IV:	tons

POSTINGS	
41 Posting Status:	(A) Open, No Restriction
Signs Posted Cardinal:	No
Signs Posted Non-Cardinal:	No
Field Postings Gross:	-1 tons
Field Postings Type I:	-1 tons
Field Postings Type II:	-1 tons
Field Postings Type III:	-1 tons
Field Postings Type IV:	-1 tons

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12: Re Concrete Deck

Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
SQ.FT	5,846.1	5,553.79	95%	292.3	5%	0	0%	0	0%

TOP OF THE DECK HAS HEAVY SCALE. SURFACE IS DIRTY. The deck has transverse cracking.

520: Conc Re Prot Sys

Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
SQ.FT	5,846.1	5,553.79	95%	292.3	5%	0	0%	0	0%

107: Steel Opn Girder/Beam

Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
FT	976	976	100%	0	0%	0	0%	0	0%

STL. BEAMS ARE RUSTY THROUGHOUT. The paint is flaking and has failed.

515: Steel Protective Coating

Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
FT	0.3	0.3	100%	0	0%	0	0%	0	0%

202: Steel Column

Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
EACH	4	4	100%	0	0%	0	0%	0	0%

Steel bents are rusty and paint has failed .The bearing areas are covered in rock and dirt and not visible.

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515: Steel Protective Coating									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
EACH	0.09	0.09	100%	0	0%	0	0%	0	0%

215: Re Conc Abutment									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
FT	76	65	86%	11	14%	0	0%	0	0%
BOTH ABUTMENTS ARE DISCOLORED AND HAVE FINE CRACKS.									

311: Moveable Bearing									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
EACH	16	8	50%	8	50%	0	0%	0	0%
Rockers have spots where paint is chipping away.									

515: Steel Protective Coating									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
EACH	0.09	0.09	100%	0	0%	0	0%	0	0%

330: Metal Bridge Railing									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
FT	488	0	0%	488	100%	0	0%	0	0%
Metal rail is substandard and rusting. Terminal ends are missing on 2 ends									

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515: Steel Protective Coating									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
FT	0.3	0.3	100%	0	0%	0	0%	0	0%

803: Curb									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
(LF)	488	0	0%	488	100%	0	0%	0	0%
CONC. CURBS ARE DISCOLOREDC AND HAVE CRACKS.									

853: Utilities									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
(EA)	1	0	0%	0	0%	1	100%	0	0%
WATER LIN IS RUSTY. Waterline is on North side.									

859: Vegetation									
Units	Total Qty	Qty. St. 1	% in 1	Qty. St. 2	% in 2	Qty. St. 3	% in 3	Qty. St. 4	% in 4
(EA)	1	0	0%	0	0%	1	100%	0	0%
Vegetation needs cut & sprayed.									

STRUCTURE NOTES

INSPECTION NOTES

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WORK	
Action:	-